

FIGURE 1

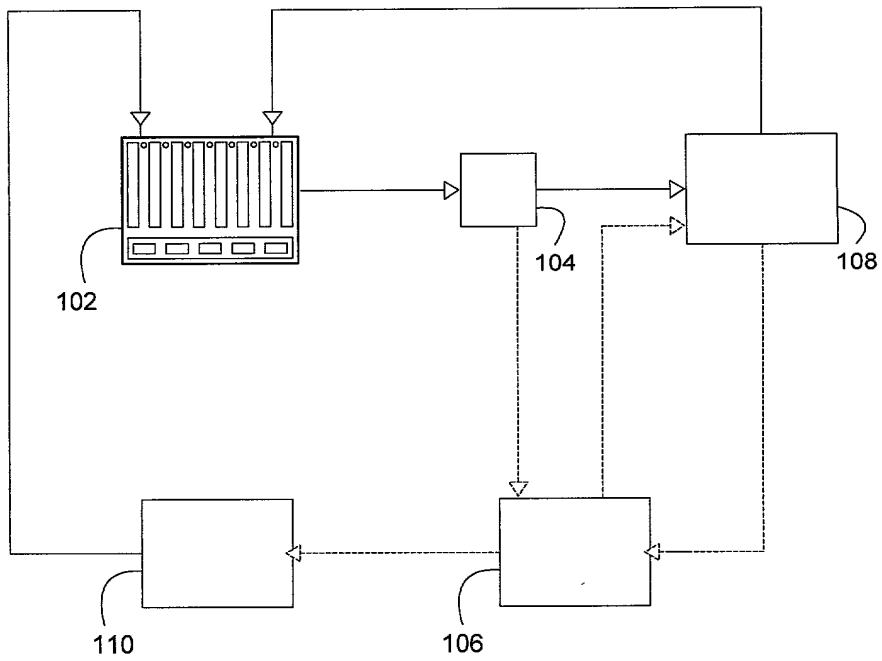


FIGURE 2

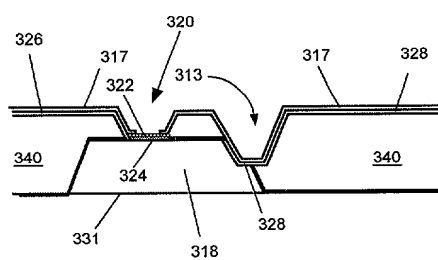
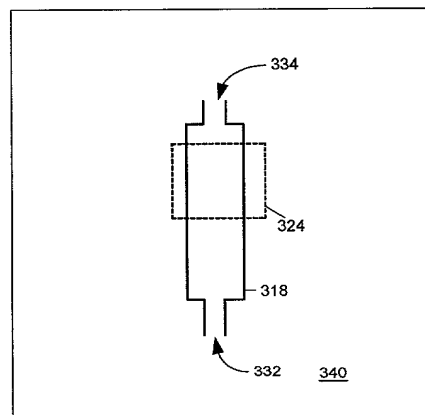


FIGURE 3



----- TOP SIDE
—— BACK SIDE

FIGURE 4

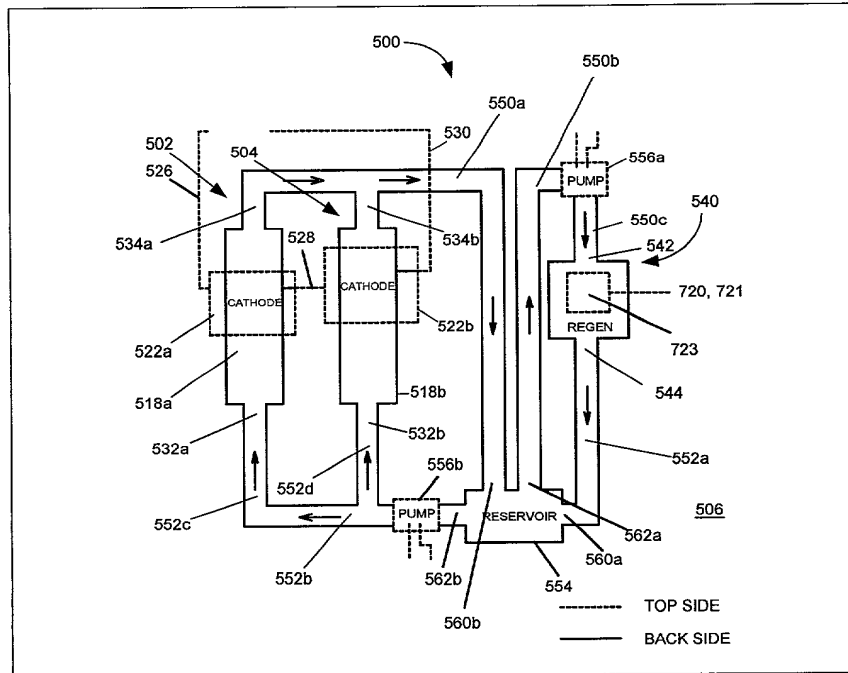


FIGURE 5

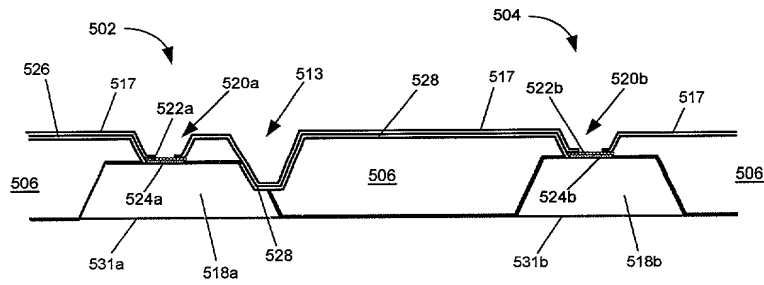


FIGURE 6A

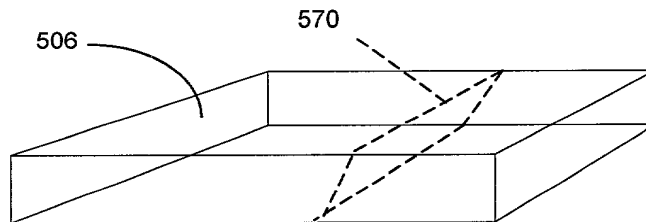


FIGURE 6B

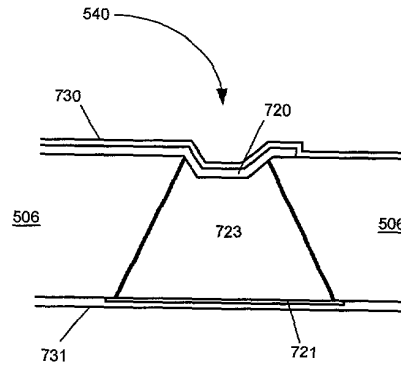


FIGURE 7

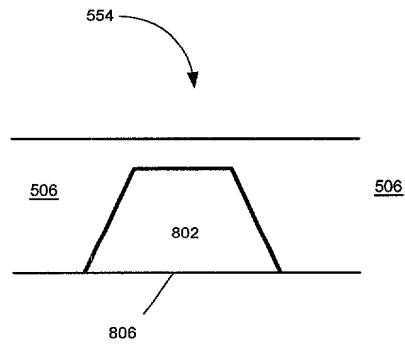


FIGURE 8

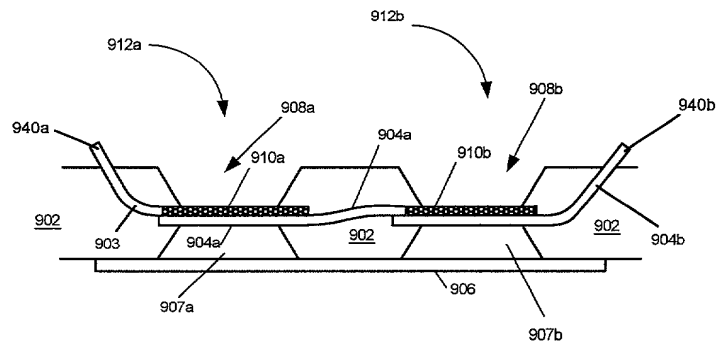


FIGURE 9A

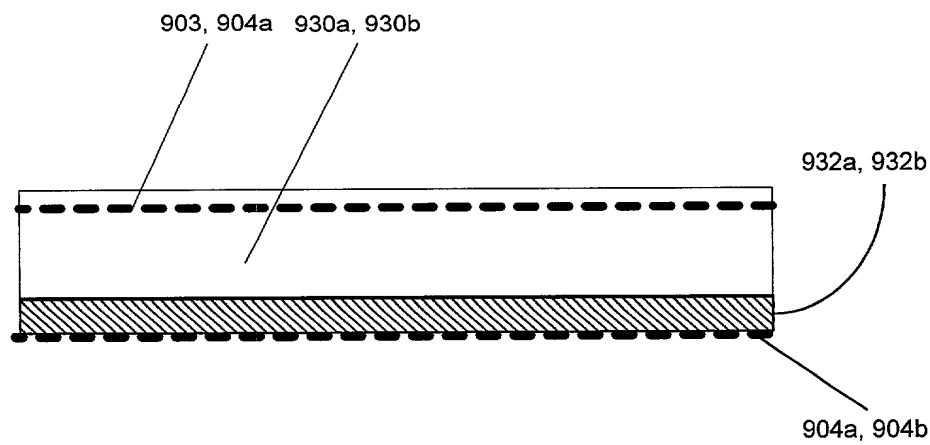


FIGURE 9B

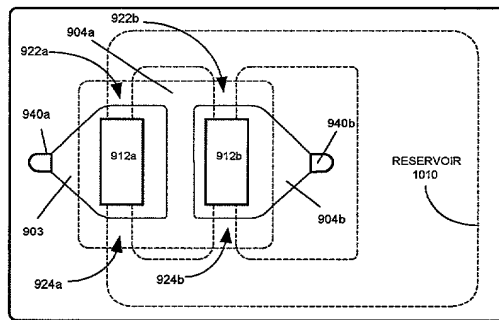


FIGURE 10

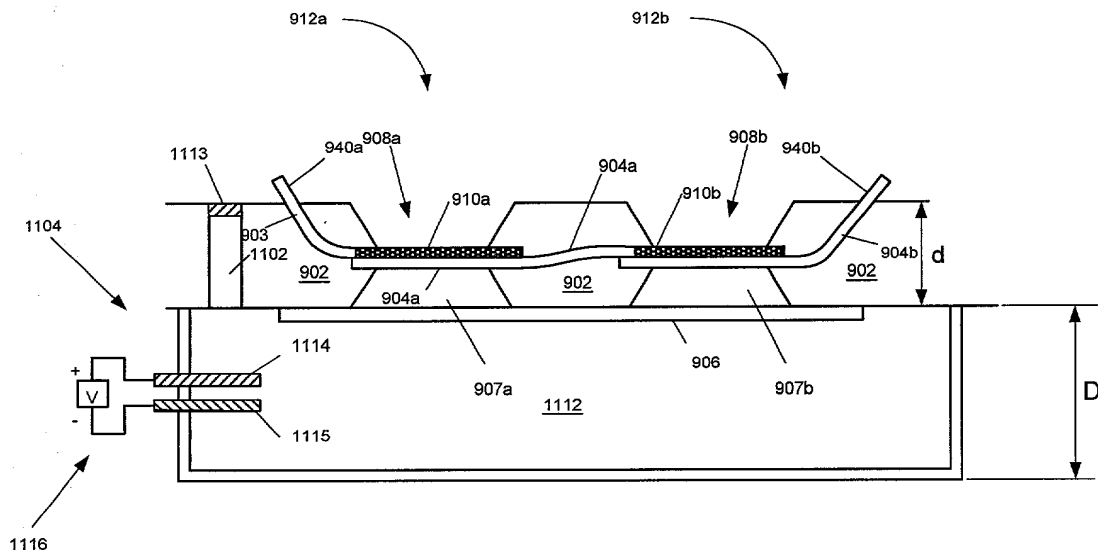


FIGURE 11

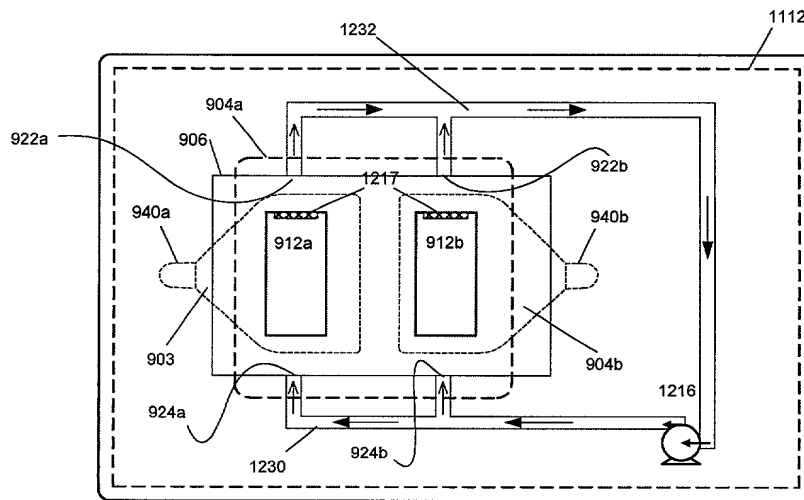


FIGURE 12

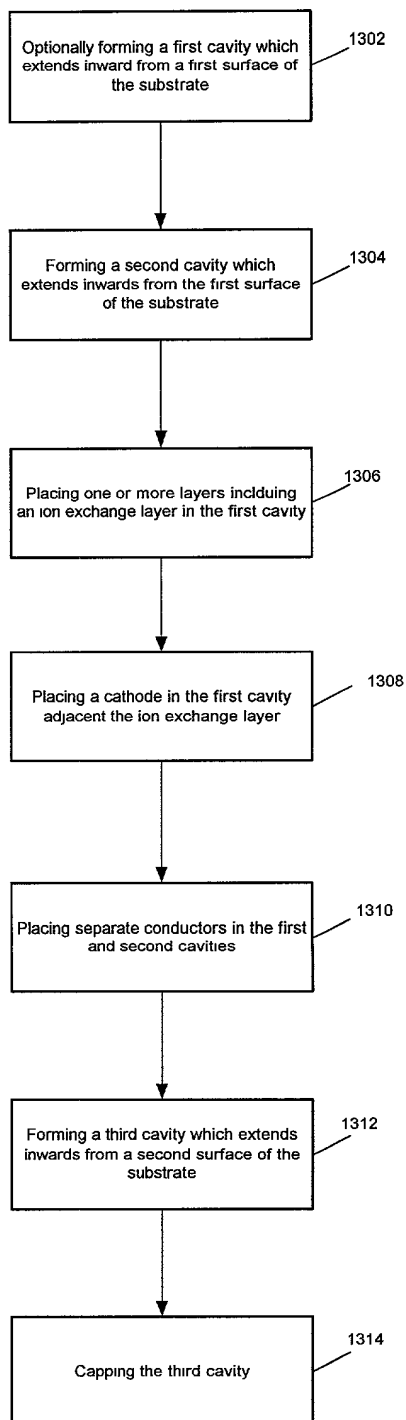
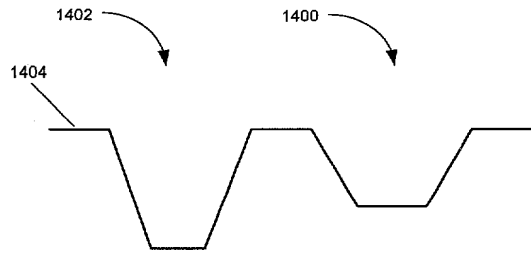
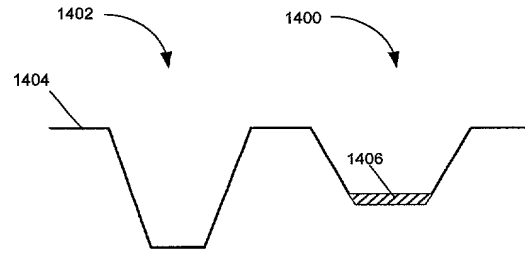


FIGURE 13



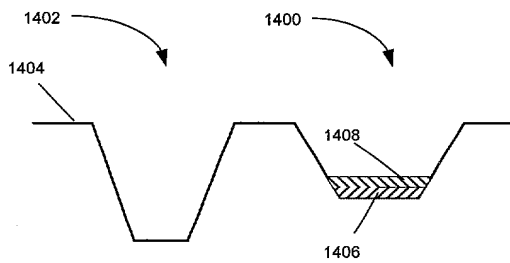
Step 1
Form Cathode Well
and Contact Well

FIGURE 14A



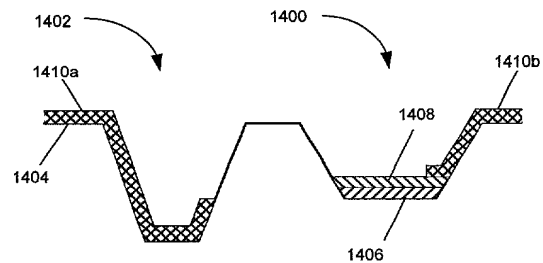
Step 2
Deposit and Pattern Ion Exchange Layer
(Hydrophilic Polymer)

FIGURE 14B



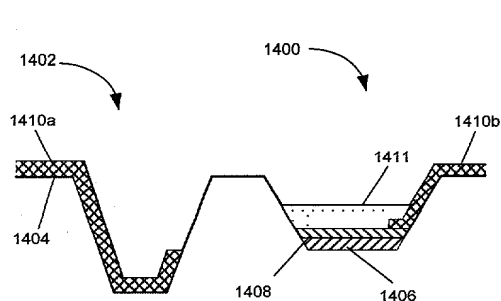
Step 3
Deposit and Pattern Catalyst Layer
(Catalyzed Carbon)

FIGURE 14C

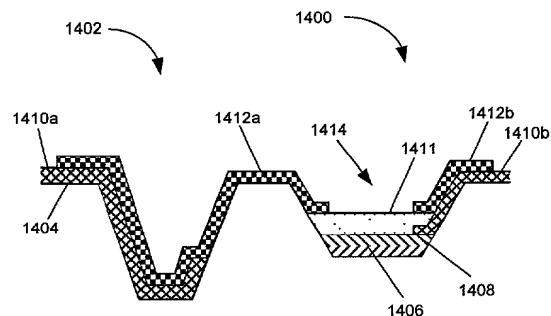


Step 4
Deposit Metal Contact Layer

FIGURE 14D



Step 5
 Deposit and Pattern Porous Backing Layer
 (Hydrophobic Polymer)



Step 6
 Deposit and Pattern Oxide (Insulator) Layer

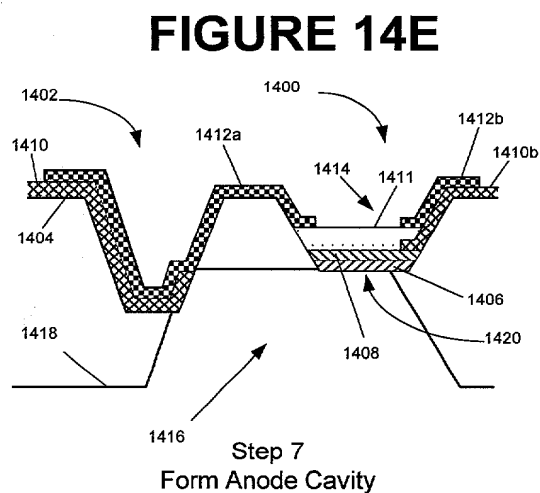


FIGURE 14G

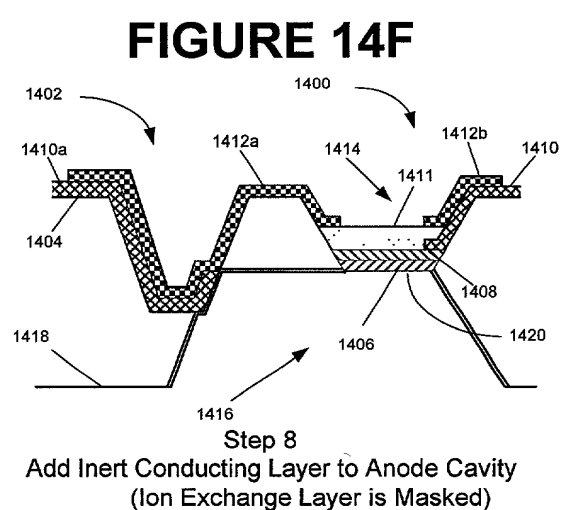
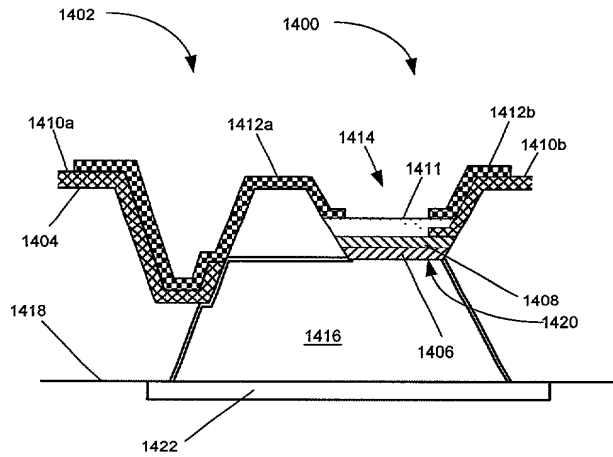


FIGURE 14H



Step 9
Add Lid to Anode Cavity

FIGURE 14I

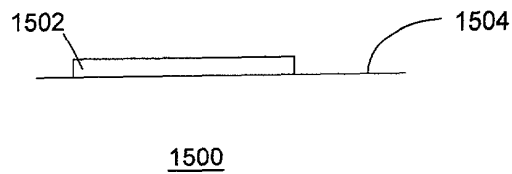


FIGURE 15A

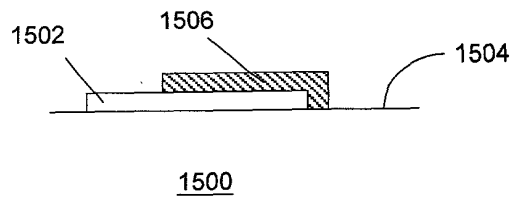


FIGURE 15B

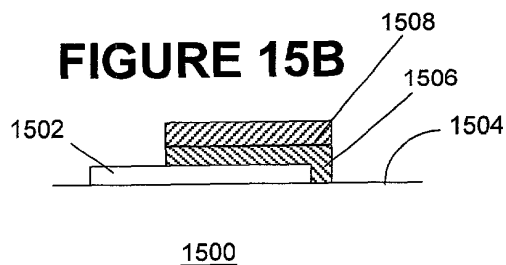


FIGURE 15C

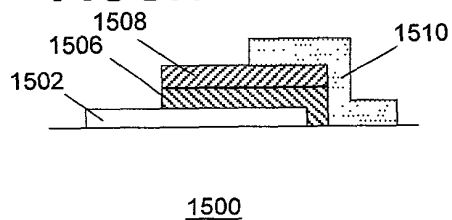


FIGURE 15D

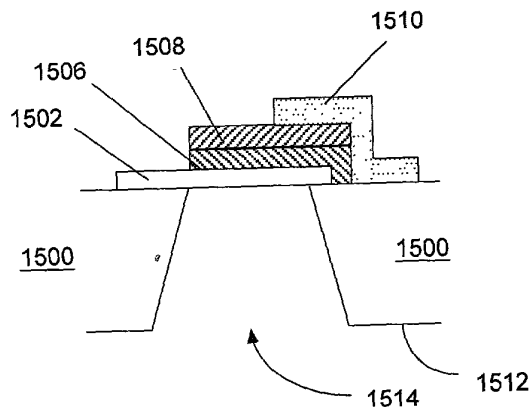


FIGURE 15E

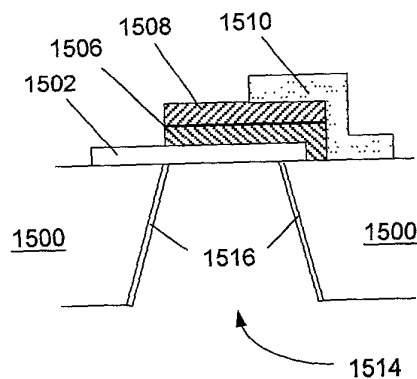


FIGURE 15F

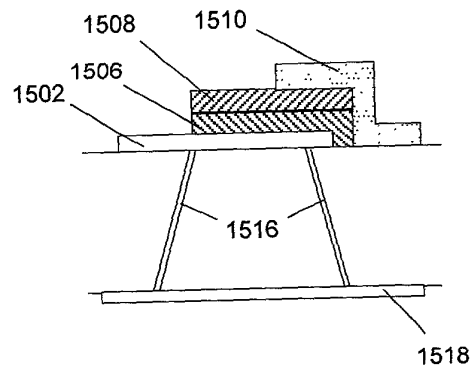


FIGURE 15G

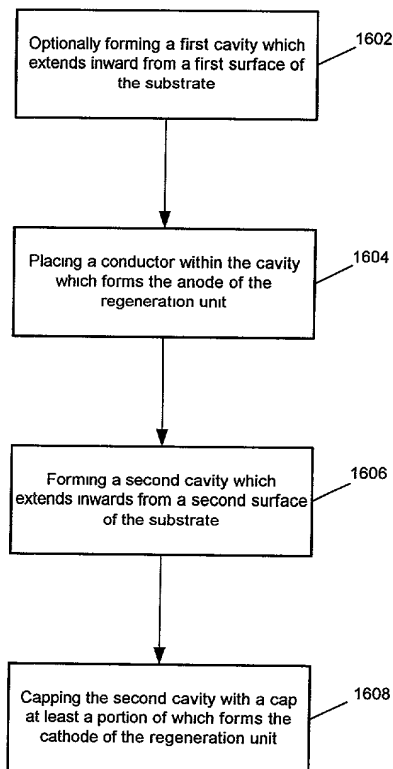


FIGURE 16

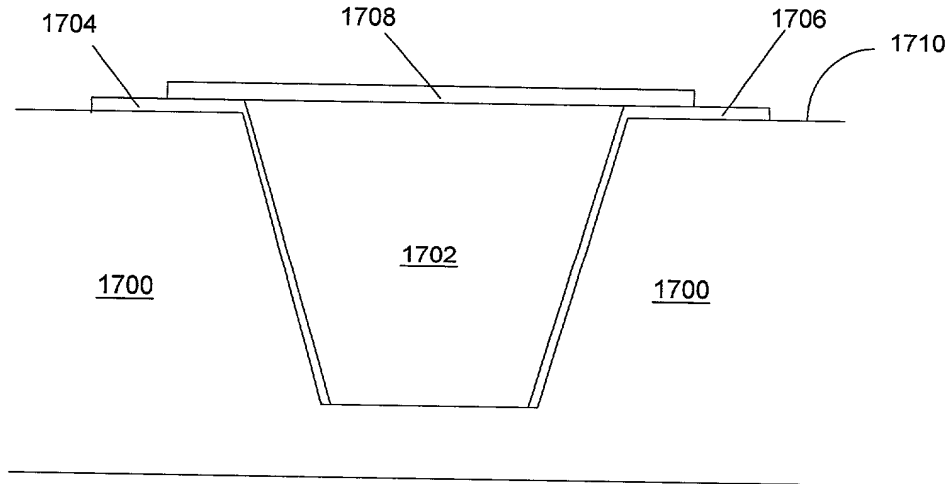


FIGURE 17

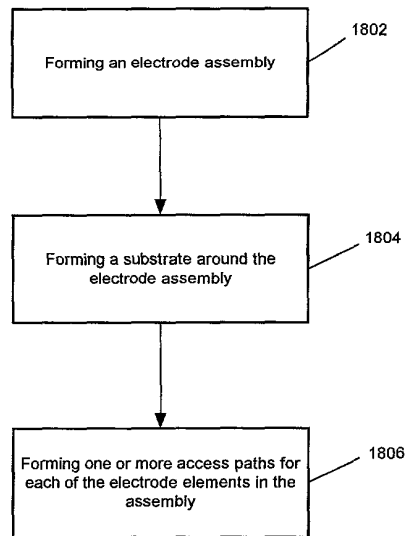


FIGURE 18